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Cambium C050910C801A ePMP 5 GHz Force 300-25 High Gain Radio (ROW) (ANZ cord)

SKU
WIF-CB-00087
MPN
C050910C801A

Description

Cambium's ePMP Force 300 are a third generation multipoint subscriber radio designed as an economical solution for point-to-multipoint applications.

Combining the latest 802.11ac Wave 2 chipset and the field proven TDD MAC of ePMP, the Force 300-25 offers an affordable point to point product and a long range subscriber module for the ePMP 3000 and ePMP 3000L Access Points.

Force 300-25 provides moderate to long range connectivity with its 25 dBi integrated 470 mm diameter dish antenna. With its narrow beamwidth this model is the ideal choice for operation in noisy urban environments.

Supporting modulation up to 256QAM in 2x2 MIMO the subscriber is capable of peak throughput up to 600 Mb/s.

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Force 300 radios are designed to connect to ePMP 3000 series wireless access points. The subscriber's high gain 25 dBi dish antenna permits high data speeds within 10 kilometres and basic connectivity significantly further. Actual achieved data rates will of course depend on channel conditions and environment.

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Cambium™ Networks

Cambium Networks

Cambium Networks enables service providers; enterprises; governmental and military agencies; oil, gas and utility companies; Internet service providers; and public safety organizations to build powerful communications networks, reach users from 200 kilometers across mountain tops down to their devices, and intelligently manage their business Wi-Fi infrastructure through end-to-end network ...

Network Interfaces
Wireless Interfaces

Topology
Multipoint Terminal/Subscriber, Point-to-Point (P2P)
Max. Throughput
600 Mb/s
Encryption
AES-128
Max. Clients
1
Aggregate Channel Width
80 MHz
Transmit Power
27 dBm
Agg. Data Rate
600 Mb/s
Receive Sensitivity
-87 dBm
Agg. Channel Width
80 MHz

Wireless Bands	Path Mode	Start Frequency	Stop Frequency	MIMO	Channel Width	Modulation	Max. Data Rate
5 GHz	TDD	4910 MHz	5970 MHz	2x2 MIMO	80 MHz	256QAM	600 Mb/s

Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	Data & PoE	100BASE-T, 1000BASE-T	Cambium 30 Vdc

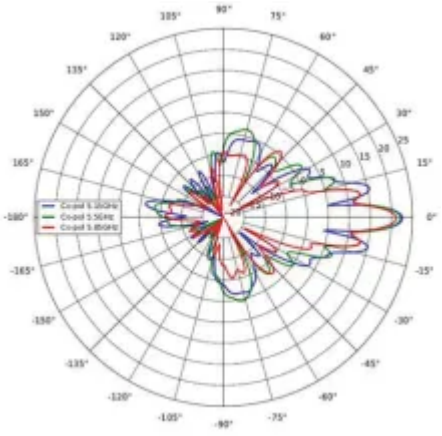
Antenna Specifications
Start Frequency
4910 MHz
Stop Frequency
5970 MHz
Polarisation
Dual Pol (V, H)
Input Impedance
50 Ω
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Azimuth	Elevation	F/B Ratio	XPD
4910 MHz	5970 MHz	25 dBi	10°	10°	> 25 dB	> 20 dB

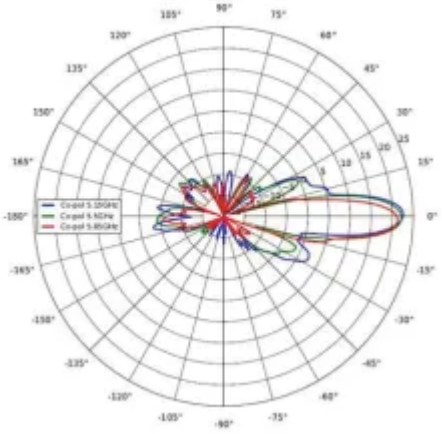
Polar Patterns

Start Frequency
5150 MHz
Stop Frequency
5850 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

Subtype
Wireless Bridge
Min. Operating Temperature
-30 °C
Max. Operating Temperature
60 °C
Ingress Protection
IP55
Dimensions
310 × 470 × 470 mm

Weight
2.4 kg
Materials
Aluminium
Compliance/Certifications
R-NZ
,
RCM
Power Specifications
Power Options
Power over Ethernet
Typical Consumption
12 W

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